

DATASHEET

ACTN1/2/3/4 Rabbit Polyclonal Antibody

CAT. NO. APA08838

KEY FEATURES

Target	ACTN1/2/3/4	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine, Chicken, Zebrafish	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. Association with IGSF8 regulates the immune synapse formation and is required for efficient T-cell activation .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:50 - 1:100

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to ACTN1/2/3/4
Specificity	Recognizes endogenous levels of ACTN1/2/3/4 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human ACTN1/2/3/4. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 103; Observed: 105 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	ACTN1; Alpha-actinin-1; Alpha-actinin cytoskeletal isoform; F-actin cross-linking protein; Non-muscle alpha-actinin-1; ACTN2; Alpha-actinin-2; Alpha-actinin skeletal muscle isoform 2; F-actin cross-linking protein; ACTN3; Alpha-actinin-3; Alpha-actinin skeletal muscle isoform 3; F-actin cross-linking protein; ACTN4; Alpha-actinin-4; F-actin cross-linking protein; Non-muscle alpha-actinin 4
Gene Symbol	ACTN1; ACTN2; ACTN3; ACTN4
Entrez Gene	87; 88; 89; 81(Human); 109711; 11472; 11474; 60595(Mouse); 81634; 63836(Rat)
SwissProt	P12814; P35609; Q08043; O43707(Human); Q7TPR4; Q9JI91; O88990; P57780(Mouse); Q9Z1P2; Q9QXQ0(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

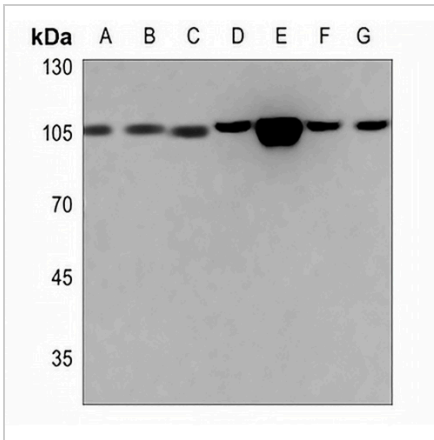
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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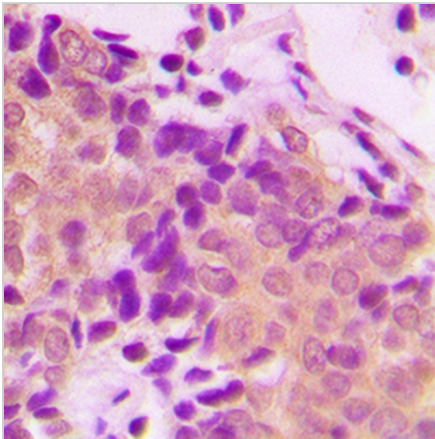
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Western blot analysis of ACTN1/2/3/4 expression in A375 (A), U2OS (B), DLD (C), mouse heart (D), mouse muscle (E), rat heart (F), rat muscle (G) whole cell lysates. (Predicted band size: 103; 104 kD; Observed band size: 105 kD)



Immunohistochemical analysis of ACTN1/2/3/4 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.